INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/22305

Box No	o. I Nucleo	otide and/or amino acid sequence(s) (Continuation of item l.b of the first sheet)		
		cleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tional search was carried out on the basis of:		
	D	a sequence listing		
		table(s) related to the sequence listing		
b.	format of mate	rial		
		on paper		
		in electronic form		
c.	time of filing/fi	umishing		
		contained in the international application as filed		
		filed together with the international application in electronic form		
		furnished subsequently to this Authority for the purposes of search		
2.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
3. Additi	ional comments:			
		\cdot		



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/22305

A. CLASSIFICATION OF SUBJECT MATTER IPC(8): F03O 4/02; E21B 7/18 US CL: 175/66-67; 60/641.2,641.3 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIBLDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 175/66-67; 60/641.2,641.3			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category * Citation of document, with indication, where ap			
X US 5,685,362 A (Brown) 11 November 1997 (11.11	1,4-9		
Y X US 3,231, 031A (Cleary) 25 January 1966 (25.01.196	2-3,25-36,38,41- 44,46,49,52,56,5750, 56), col. 1, lines 48-54. 20-24,54,-55		
Y X US 3,3975,912 A (Greene) 24 August 1976 (24.08.	25-36;38,41- 44,46,49,52,56,5750		
Y US 3,375, 886 A (Goodwin et al.) 02 April 1968 (02	2.04.1968), col. 1, line 69-col. 2, line 2-3		
4). US 4,200, 152? A (Foster et al.) 29 April 1980 (29.04)	4.1980), (fig. 1). 25-36,38,41- 44 _{,4} 6,49,52,56,5750		
·			
Further documents are listed in the continuation of Box C.	See patent <u>family</u> annex.		
Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand		
"A" document defining the general state of the art which is not considered to be of particular relevance	the principle or theory underlying the invention		
"E" earlier application or patent published on or after the international filing date	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
"L" document which may throw doubts on priority claira(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
"O" document referring to an oral disclosure, use, exhibition or other means	document member of the same patent family		
"P" document published prior to the international filing date but later than the priority date claimed	Data of mailing of the international search report		
Date of the actual completion of the international search	Date of mailing of the international search report		
20 January 2006 (20.01.2006)	14 FFB^OOfi		
Name and mailing address of the ISA/US	Authorized officer		
MaU Stop PCT, Attn: ISA/US Commissioner for Patents	David J. Bagnell		
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